H. Fred Downey, Ph.D.
Assistant Professor of Physiology
Director, Cardiopulmonary Research
Cardiopulmonary Institute
University of Texas Health Science Center at Dallas
5233 Harry Hines Boulevard
Dallas, Texas 75235

Effects of Tobacco Smoke and Nicotine on Coronary Collateral Blood Flow.

It is the investigators' intent to determine the effects of (1) tobacco smoke and (2) nicotine, on coronary collateral blood flow following acute or chronic occlusion of a coronary artery. In addition, they will determine the effects of these agents on the distribution of cardiac output.

Following either acute or chronic occlusion of the anterior descending coronary artery, regional blood flow will be measured by tissue uptake of radioactive microspheres in anesthetized open-chest dogs. Differently labeled microspheres will be used for control and experimentatal flow measurements in each animal.

Activation Date: July 1, 1974

Current Grant Level: $15,290.

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Source: https://www.industrydocuments.ucsf.edu/docs/ptmk0000